

Simplicity

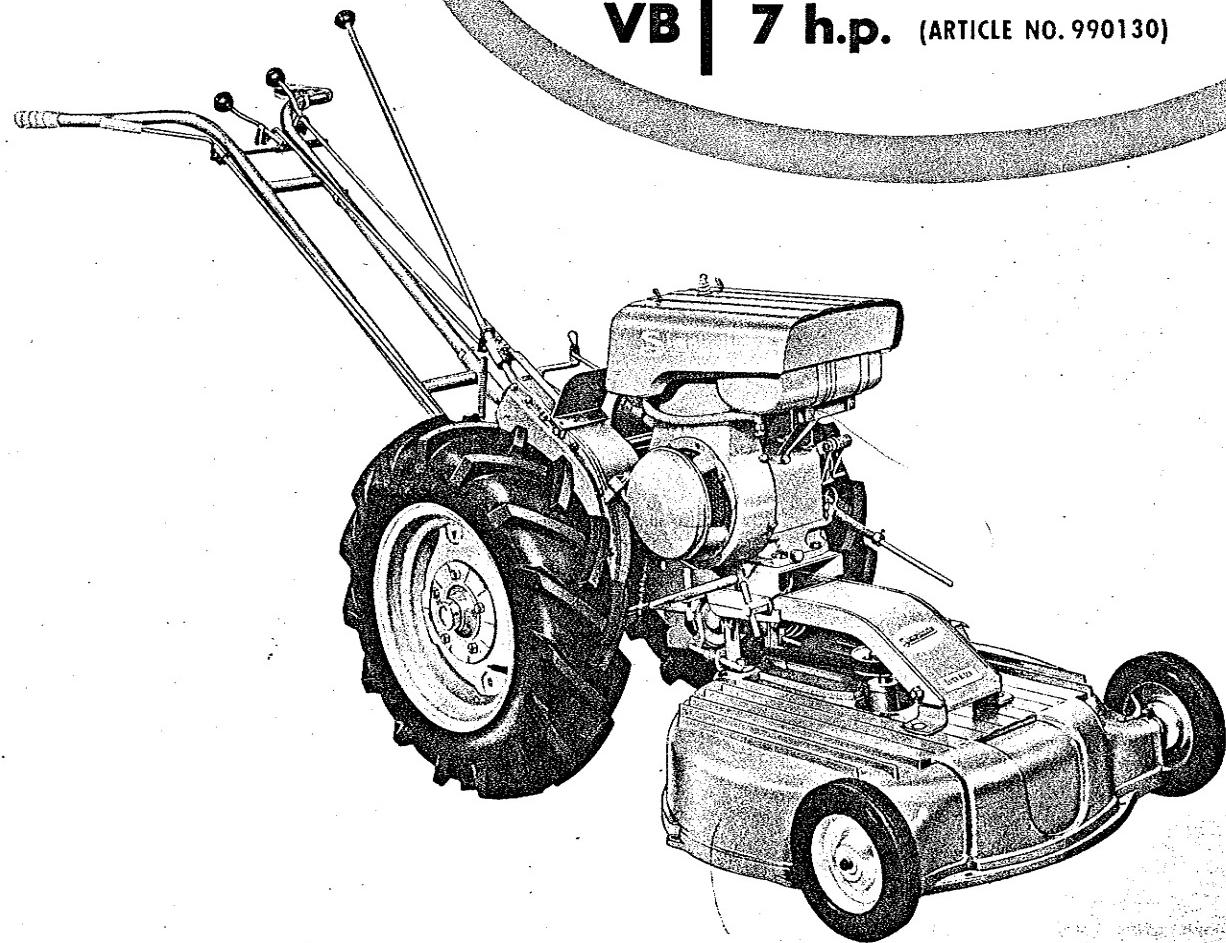
REG

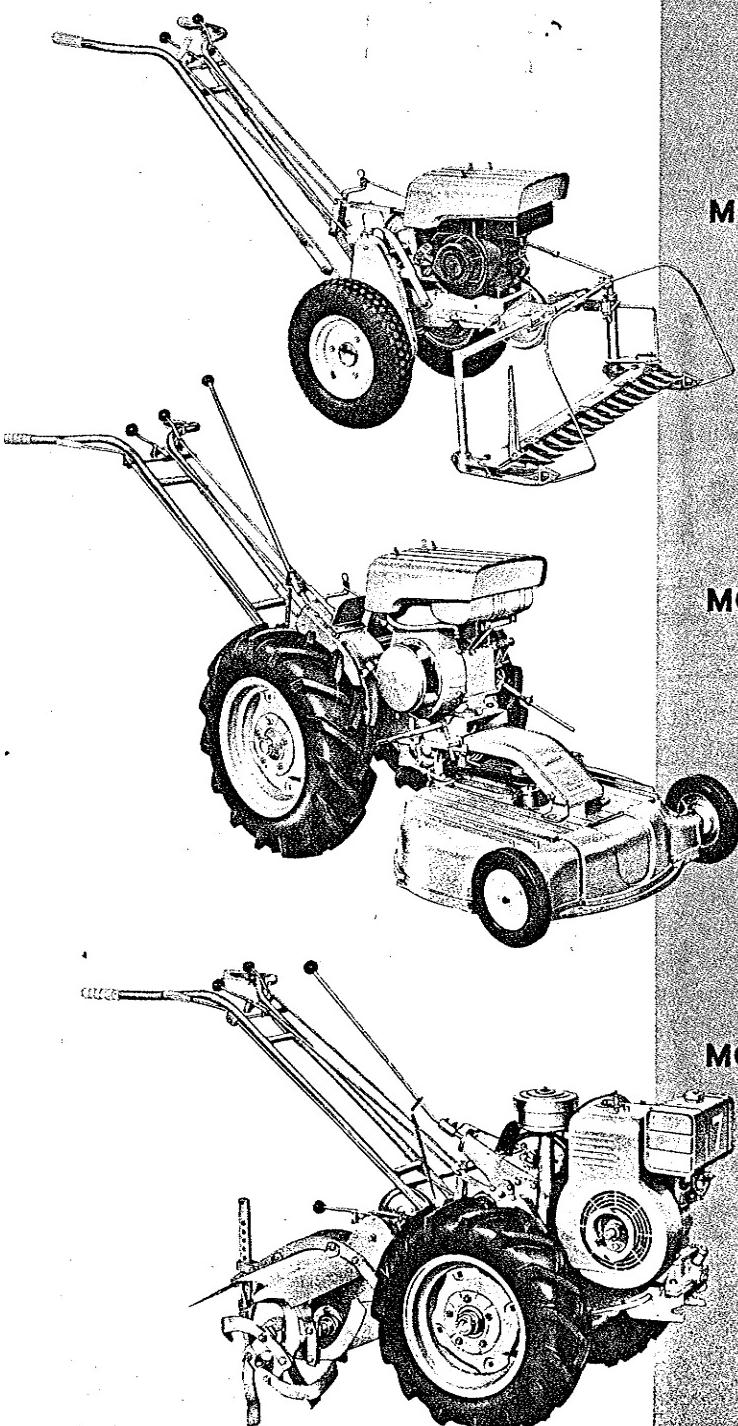
U.S. PAT OFF

**INSTRUCTIONS
AND PARTS LIST**

MODELS

A	2$\frac{3}{4}$ h.p. (ARTICLE NO. 990116)
FC	4 h.p. (ARTICLE NO. 990129)
VB	7 h.p. (ARTICLE NO. 990130)





You are looking at AMERICA'S OUTSTANDING GARDEN TRACTOR LINE

These are the newest Simplicity tractors—proud new power units that will carry on the great Simplicity tradition of master design, superior craftsmanship . . . and undisputed leadership in performance.

MODEL A / 2 $\frac{3}{4}$ HP Garden Tractor

Big tractor performance at budget price. Four-cycle engine. Two forward speeds and reverse. Heavy-duty "Hi-Tensel" steel frame. Lo-Tone Muffler. 100% Free Wheeling. Recoil Starter. All-weather hood adds styling touch. Soft-Action clutching.

MODEL FC / 4 HP Garden Tractor

BIG power with talent for many jobs. Recoil starter. 6 forward speeds and 2 reverse. New Duomatic Two-Speed Axle for high and low speeds. Lo-Tone Muffler. Automotive-type speed transmission. Heavy-duty, all-steel frame. Tread width: 20" to 25". Super-traction tires. "Quick Hitching".

MODEL VB / 7 HP Utility Tractor

Seven horses of power, nimble enough for countless jobs on large estates and farms . . . in addition to providing auxiliary power for many others. 6 forward speeds and 2 reverse. New Duomatic Two-Speed Axle. Lo-Tone Muffler. All-gear transmission. Heavy-duty frame. Fast, yet gentle, response from finger-tip shift.

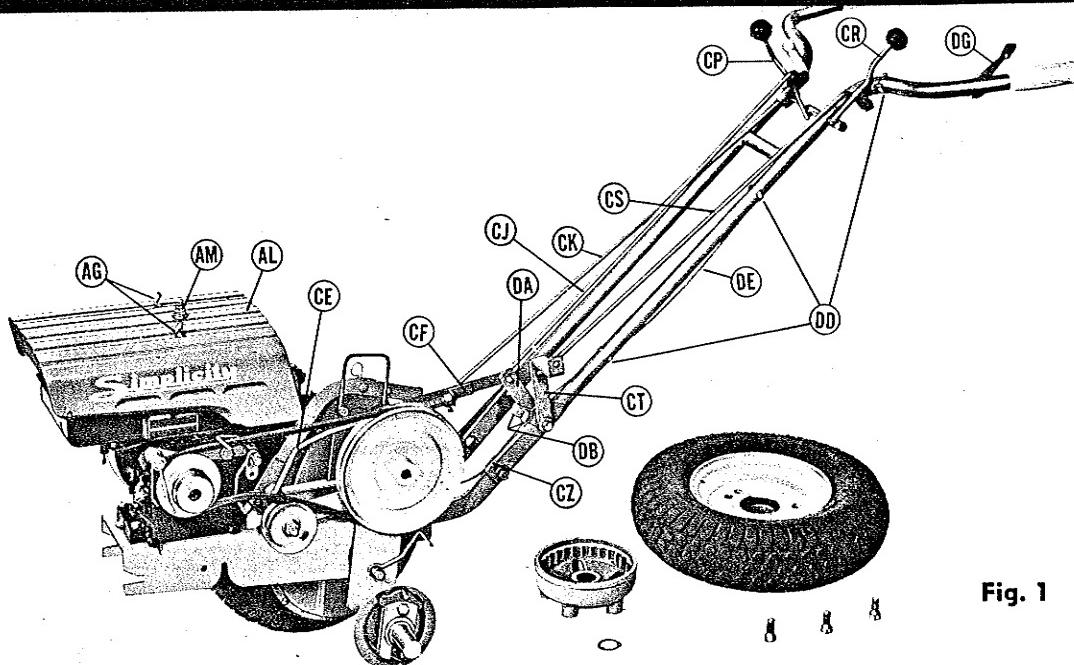


Fig. 1

MODEL A 2 $\frac{3}{4}$ h.p. tractor

PACKING LIST

The complete tractor is shipped in two cartons. One contains the frame, wheels, engine and gear case assemblies, and the other contains the handles, clutch rods and levers.

GENERAL INFORMATION

The protective hood (AL) is hinged at the front. To lift, push the two latches (AG) slightly and lift hood. To stop the engine press hood pin (AM) until engine stops.

The hood may be removed at any time should you desire. To remove hood pull out wire and hinge will separate.

The engine is shut off when hood is removed by flipping the safety stop switch against the spark plug. The safety stop switch will remain against the spark plug until removed. BE SURE TO LIFT IT OFF BEFORE TRYING TO START ENGINE.

ASSEMBLY

Before starting assembly, remove all parts from both cartons. Refer to Fig. 1 for tractor assembly.

1. Before bolting handles to the frame, insert the throttle cable (DE) through the cable housing clamp (CZ) as shown.
2. Bolt the handles to the outside of the frame with the four bolts provided. NOTE: When bolting handles to the frame, be sure that the bushings, washers, levers and lever stops are reassembled in the same sequence as packed. To provide clearance for attachments, the upper left handle bolt should be installed head to outside as shown. The other three install with heads to inside.
3. The slots at the bottom of the handles provide handle height adjustment. Place handles in comfortable position, and tighten all handle bolts securely.
4. Attach upper idler rod (CS) to lower clutch lever (CT) and to left hand lever (CR).
5. Attach upper clutch rod (CJ) to rod guide assembly (CF), pivot lever (DA), and right hand lever (CP).

6. Attach lower clutch rod (CE) to idler lever extension as shown.
7. Attach throttle control (DG) to the left handle with the cable strung under the handle.
8. Clamp the cable to the handle with three clamps (DD). NOTE: Screws and clamps for cable and throttle control are packed in a mailing bag tied to the cable.
9. For attaching reverse rod, please refer to Fig. 2. Attach reverse rod (CK) to bearing housing (BT) at lower hole indicated by (1).

BELT ADJUSTMENT

1. As the tractor is packaged the pulleys are set for high speed.
2. When right hand lever (CP) is pulled back the idler pulley will come up against the under side of the belt.
3. Adjust rod guide assembly (CF) so that spring (CG) is compressed approximately $\frac{5}{8}$ ".
4. Place the belt stops as shown within $\frac{1}{8}$ " of the belt.
5. Be sure that the bolts which hold the belt stops are tightened sufficiently to keep belt stops from moving.
6. Release right hand lever (CP) and pull back on control rod (CK) to place transmission in REVERSE. Limit the travel of the idler pulley so that the drive belt is released just sufficiently to slip on the engine pulley. This adjustment is made by shifting position of the lever stop (DB) at base of lever (DA).
7. If idler pulley releases belt too much, the belt may slip off. If it doesn't release sufficiently, engine will continue to drive the transmission and may cause difficulty with free wheeling.

OPERATION Forward and Reverse

To shift from forward to reverse, release clutch by pushing forward on right hand clutch lever (CP). Pulling back on handle on reverse rod (CK) will enmesh the

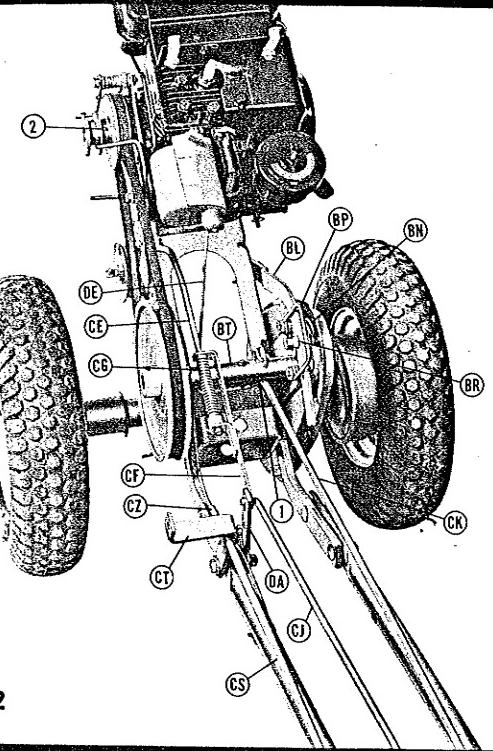


Fig. 2

reverse gear. Pull back on right hand clutch lever (CP) to engage the clutch. To go forward, release clutch, push forward on rod (CK), then engage clutch. BE SURE TO RELEASE CLUTCH BEFORE CHANGING GEARS. Failure to do so will cause a sudden start which puts extreme strain on the gears.

High and Low Speeds

1. The Model A tractor has two forward speeds. Pulley positions for these speeds are illustrated in Figs. 2 and 3. Fig. 2 illustrates the High Speed, recommended for all attachments except the tiller. Notice in Fig. 2 that the lock pin (BR) is located in the front hole in the lock bar (BL).
2. To change to low speed, please refer to Fig. 3.
 - a. Remove belt
 - b. Loosen engine pulley set screw (2), remove engine pulley, turn it around and replace with large pulley to outside.
 - c. Make visual alignment of engine, idler and transmission pulleys, then tighten engine pulley set screw.
 - d. Remove spring clip (BN) and lock pin (BR) from front hole in lock bar.
 - e. Pull transmission slightly to the rear so that pin (BR) will enter rear hole as shown in Fig. 3. To facilitate this adjustment, a convenient handle (BP) is provided.
 - f. Replace spring clip (BN) to hold pin.
 - g. Replace tractor drive belt.
 - h. After changing from one speed to another, adjust the belts as previously described:

SPEED RANGE

The forward speed of the Model A tractor ranges from .75 MPH. to 2.7 MPH.

LUBRICATION

Before starting the engine read the engine manual. Grease the four fittings on the Model A tractor, located on the idler pulley, main axle housing, gear case and bearing housing. Add a few shots of grease approximately every 8 hours of use. Use a general purpose semisolid grease in the grease gun supplied with the tractor.

TIRE PRESSURE

Inflate the tires on the tractor to approximately 35 lbs. of pressure.

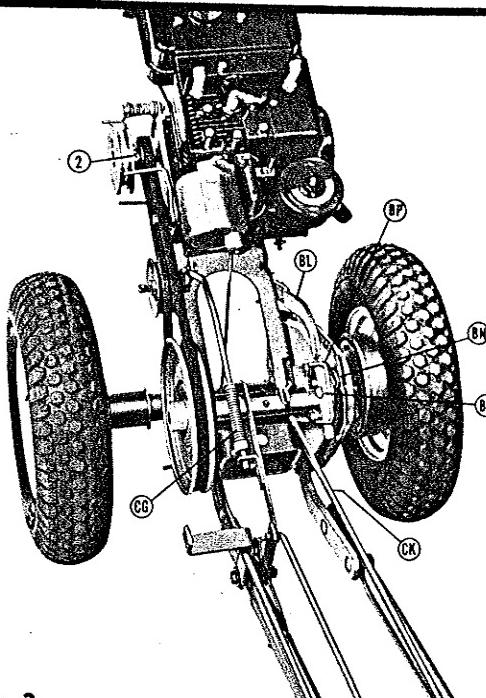


Fig. 3

PATENTED QUICK-HITCH

All front attachments to the tractor use the patented Quick-Hitch shown below.

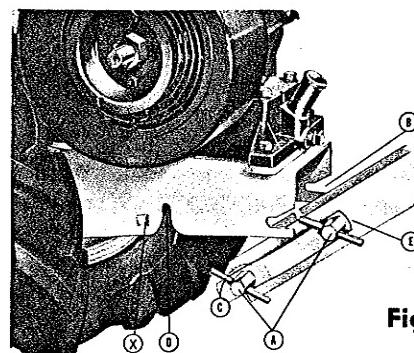


Fig. 4

INSTRUCTIONS FOR ATTACHING

Loosen T-nuts (A), push the tractor forward until slots (B) engage at (E) between the side plates and hitch clamp on the attachment. Push down on the tractor handles until shaft (C) fits in slot (D). Tighten T-nuts (A). To remove attachment, loosen T-nuts (A) sufficiently so side plate can be pulled over catch (X) on side of frame.

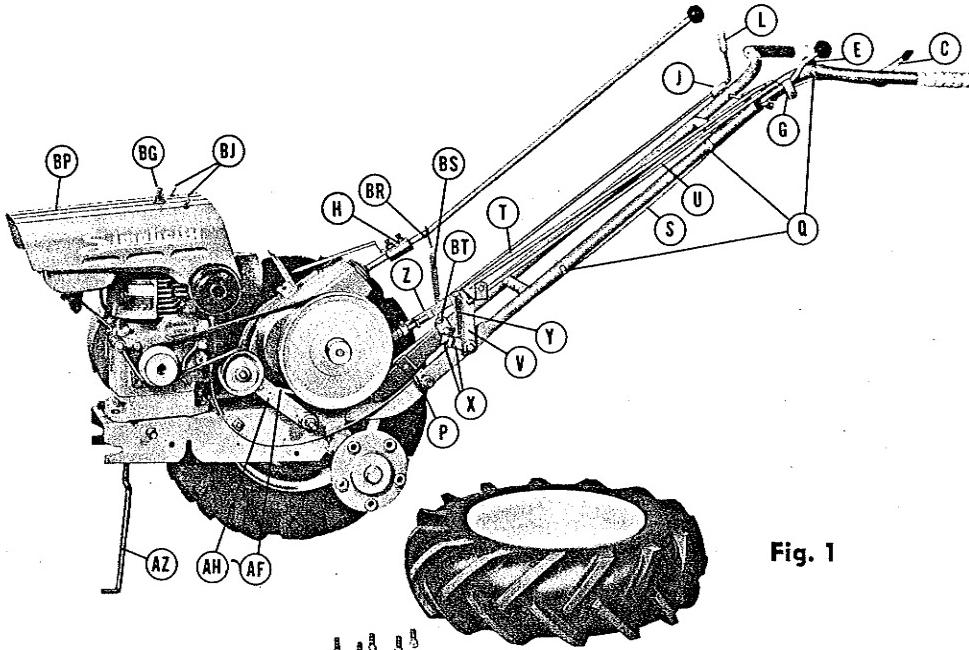


Fig. 1

MODEL FC 4 h.p. tractor

PACKING LIST

The tractor is shipped in two packages. One contains the engine, frame, wheels and gear assemblies, and the other contains the handles, clutch rods and levers.

GENERAL INFORMATION

The kick stand (AZ) enables the tractor to be kept level when implements are not attached.

The protective hood (BP) is hinged at the front. To lift, push the two latches (BJ) slightly and lift hood. To stop the engine press hood pin (BG) until engine stops.

The hood may be removed at any time should you desire. To remove hood, pull out wire and hinge will separate.

The engine is shut off when hood is removed by flipping the safety stop switch against the spark plug. The safety stop switch will remain against the spark plug until removed. **BE SURE TO LIFT IT OFF BEFORE TRYING TO START ENGINE.**

ASSEMBLY

Before starting assembly, remove all parts from both packages. Refer to Fig. 1 for tractor assembly.

1. Before bolting handles to the frame, insert the throttle cable (S) through the cable housing clamp (P) as shown.
2. Bolt the handles to the outside of the frame with the four bolts provided. NOTE: When bolting handles to the frame, be sure that the bushings, washers, levers and lever stops are reassembled in the same sequence as packed. To provide clearance for attachments the upper left handle bolt should be installed head to outside as shown. The other three install with heads to inside.
3. When inserting upper left hand handle bolt, assemble lower clutch lever (V), lever stops (X), and lower clutch pivot lever (Y) as shown.
4. The slots at the bottom of the handle provide handle height adjustment. Place handles in comfortable operating position and tighten all handle bolts securely.

5. Attach upper clutch rod (U) to lower clutch lever (V) and left hand clutch lever (G).
6. Attach upper idler rod (T) to right hand clutch lever (E), then to lower clutch pivot lever (Y) and to idler clutch rod guide (Z).
7. Connect lower idler rod (AF) in guide assembly (Z) to idler lever (AH) as shown.
8. Thread one end of spring (BS) into lower spring holder (BT). Place upper spring holder (BR) over end of gear shift handle extension as shown and slip handle extension into coupling (N). Be sure countersunk hole in end of handle extension lines up with set screw, and tighten securely.
9. Thread other end of spring (BS) into upper spring holder (BR) and position spring holder on handle extension as shown, approximately 3 inches from coupling.
10. Attach throttle control lever (C) to left handle with throttle cable strung underneath. Screws and clamps for cable and throttle lever are in a mailing bag tied to throttle cable. Clamp throttle cable to handle with three clips (Q) as shown.
11. Attach shift rod (L) to clevis assembly. Hold in place with cotter pin as shown in Fig. 2.
12. Adjust rod guide (J) with nut to exert slight pressure on shift rod (L). This adjustment is important to keep the shift rod in desired position.

ADJUSTMENTS

1. Adjust set collar on rod guide assembly (Z) so that spring (AB) is compressed approximately $\frac{1}{8}$ inch when right hand lever (E) is pulled back and clutch engaged.
2. Place the belt stops as shown within $\frac{1}{8}$ inch of the belt when belt is tight.
3. Be sure that the bolts which hold the belt stops are tightened sufficiently to keep belt stops from moving.
4. Limit the travel of the idler pulley so that the drive belt is released just sufficiently to slip on the engine pulley. This adjustment is made by setting position of the lever stop (X) at base of lever (Y).

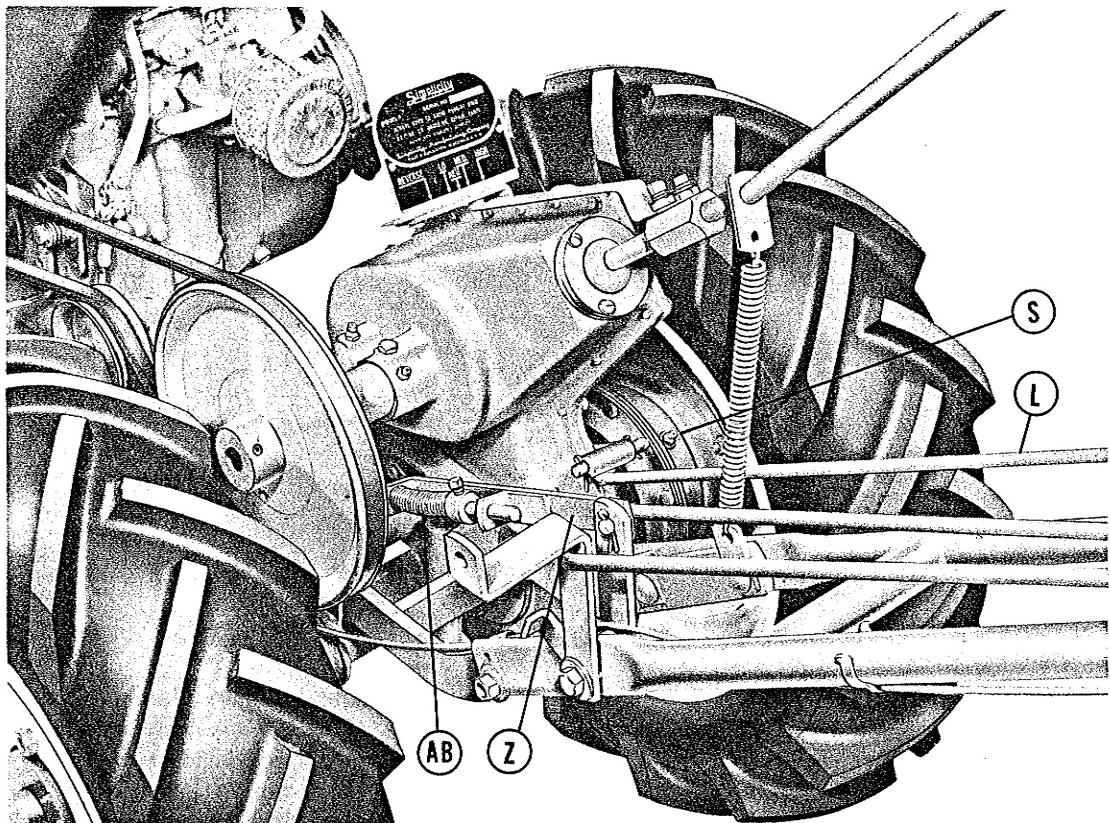


Fig. 2

- To obtain widest tread adjustment, remove the hub bolts and wheel from the hub and place on opposite side of the tractor. (Tire is lug type and proper setting of the tire lug is necessary for cleaning). The maximum position must be used when plowing.

SELECTIVE GEAR TRANSMISSION

BE SURE RIGHT HAND CLUTCH LEVER IS IN ITS FORWARD POSITION BEFORE SELECTING DESIRED SPEED. To change speeds, disengage clutch by pushing forward on right hand clutch (E). Lift up on gear shift handle and select speed desired as indicated by pointer. A slight downward movement of the gear shift handle will engage the gears.

Engage clutch by pulling back on right hand clutch lever (E).

SPEED RANGE—TWO SPEED AXLE

Shift rod (L) controls high and low speed ranges. To place tractor in high speed range lift up on handle of shift rod (L). For low speed range push down on handle on shift rod (L).

MILES PER HOUR AT RATED RPM

HIGH RANGE	LOW RANGE
Low 2½	Low 1½
Medium 3	Medium 2
High 5	High 3½

LUBRICATION

The tractor but not the engine (See engine instruction book) is fully lubricated and ready for use when re-

ceived. There are eight high pressure grease fittings on the tractor, three of which are the slotted type. These three fittings, located on the gear case, provide for the release of excessive grease pressure. Be sure the slots in these fittings are not clogged with paint or dirt. They should be open at all times.

The other five fittings are located on the idler pulley, main axle housing, carrier housing (S-Fig. 2), gear case and pulley shaft housing. Add a few shots of grease approximately every eight hours of use to all fittings. Use a general purpose semisolid grease in the grease gun supplied with the tractor.

TIRE PRESSURE

For shipping purposes the tires are inflated to approximately 38 lbs. When tractor is assembled and ready for use, deflate tires to 8 to 10 lbs. of pressure.

SPECIAL NOTE

Should it be necessary at any time to remove the transmission pulley, follow instructions below for reinstalling: Shift the gear shift lever into REVERSE and hold in reverse firmly while replacing pulley on shaft. Place pulley as close as possible to gear housing before tightening set screw. This will prevent any play in the shaft and will keep gears in full mesh.

FREE WHEELING

To obtain full free wheeling of the tractor, move shift rod (L) into its center position.

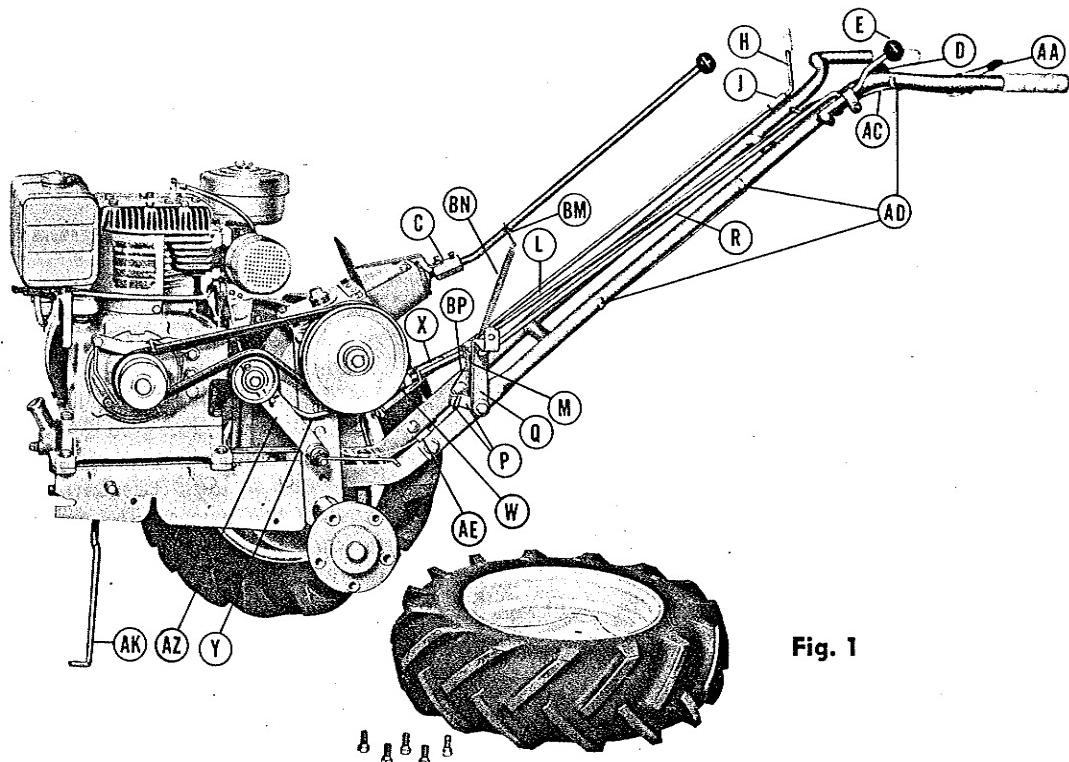


Fig. 1

MODEL VB 7 h.p. tractor

PACKING LIST

The tractor is shipped in two packages. One contains the engines, frame, wheels and gear assemblies, and the other contains the handles, clutch rods and levers.

The Model VB tractor is equipped with a convenient kick stand (AK). This stand enables the tractor to be kept level when implements are not attached.

ASSEMBLY

Before starting assembly, remove all parts from both packages. Refer to Fig. 1 for tractor assembly.

1. Before bolting handles to the frame, insert the throttle cable (AC) through the cable housing clamp (AE) as shown.
2. Bolt the handles to the outside of the frame with the four bolts provided. NOTE: When bolting handles to the frame, be sure that the bushings, washers, levers and lever stops are reassembled in the same sequence as packed.
3. When inserting upper left hand handle bolt, assemble lower clutch lever (Q), lever stops (P) and lower clutch pivot lever (M) as shown.
4. The slots at the bottom of the handle provide handle height adjustment. Place handles in comfortable operating position and tighten all handle bolts securely.
5. Attach upper clutch rod (R) to lower clutch lever (Q) and left hand clutch lever (E).
6. Attach upper idler rod (L) to right hand clutch lever (D), then to lower clutch pivot lever (M), and to idler clutch rod guide (X).

7. Connect lower idler rod (Y) in guide assembly (X) to idler lever (AZ) as shown.
8. Thread one end of spring (BN) into lower spring holder (BP). Place upper spring holder (BM) over end of gear shift handle extension as shown and slip handle extension into coupling (C). Be sure countersunk hole in end of handle extension lines up with set screw and tighten securely.
9. Thread other end of spring (BN) into upper spring holder (BM) and position spring holder on handle extension as shown, approximately 3 inches from coupling.
10. Attach throttle control lever (AA) to left handle with throttle cable strung underneath. Screws and clamps for cable and throttle lever are in a mailing bag tied to the throttle cable. Clamp throttle cable to handle with three clips (AD) as shown.
11. Attach shift rod (H) to clevis assembly as shown in Fig. 2. Hold in place with cotter pin.
12. Adjust rod guide (J) with nut to exert slight pressure on shift rod (H). This adjustment is important to keep shift rod in desired position.

ADJUSTMENTS

1. Adjust set collar on rod guide assembly (X) so that spring (W) is compressed approximately $\frac{1}{8}$ inch when right hand lever (D) is pulled back and clutch engaged.
2. Place the belt stops as shown within $\frac{1}{8}$ inch of the belt when belt is tight.
3. Be sure that the bolts which hold the belt stops are tightened sufficiently to keep belt stops from moving.

4. Limit the travel of the idler pulley so that the drive belt is released just sufficiently to slip on the engine pulley. This adjustment is made by setting position of the lever stop (P) at base of lever (M).
5. To obtain widest tread adjustment, remove the hub bolts and wheel from the hub and place on opposite side of the tractor. (Tire is lug type and proper setting of the tire lug is necessary for cleaning). The maximum position must be used when plowing.

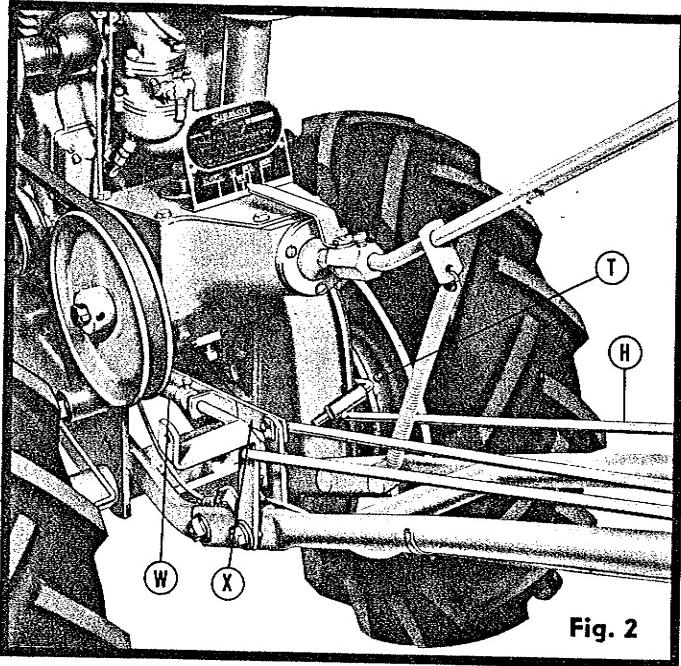


Fig. 2

SELECTIVE GEAR TRANSMISSION

BE SURE RIGHT HAND CLUTCH LEVER IS IN ITS FORWARD POSITION BEFORE SELECTING DESIRED SPEED. To change speeds disengage clutch by pushing forward on right hand clutch (D). Lift up on gear shift handle and select speed desired as indicated by pointer. A slight downward movement of the gear shift handle will engage the gears.

Engage clutch by pulling back on right hand clutch lever (D).

SPEED RANGE—2 SPEED AXLE

Shift rod (H) controls high and low speed ranges. To place tractor in high speed range, lift up on handle of shift rod (H), for low speed range push down on handle on shift rod (H).

MILES PER HOUR AT RATED RPM	
HIGH RANGE	LOW RANGE
Low 3	Low 2
Medium 3½	Medium 2½
High 6	High 4

FREE WHEELING

TO OBTAIN FULL FREE WHEELING OF THE TRACTOR, MOVE SHIFT ROD (H) INTO ITS CENTER POSITION

LUBRICATION

The tractor, but not the engine, (see engine instruction book), is fully lubricated and ready for use when received. CAUTION: CHECK TRANSMISSION OIL LEVEL AT PLUG PROVIDED. LOSS OF OIL MIGHT OCCUR DUE TO IMPROPER HANDLING IN SHIPPING. If additional oil is needed add SAE No. 90 oil to proper level. Excessive amount of oil may cause damage to oil seals. There are 4 high pressure grease fittings and 3 oil plugs on the tractor. The grease fittings are located on the idler pulley, the main axle housing, the gear case, and the carrier housing (T-Fig. 2). Add a few point shots of grease approximately every 8 hours of use to all fittings. Use a general purpose semisolid grease in the grease gun supplied with the tractor.

The three oil plugs are located on the transmission gear case and cover. The filler plug is on the transmission case cover, the oil level plug on the rear of the transmission case, and the drain plug on the bottom of the transmission case. To fill transmission remove filler and oil level plugs and pour oil filler plug opening until it rises to the oil level plug opening. (Be sure the tractor is standing level). Replace plugs and tighten securely. Add fresh oil as required. Use SAE No. 90 oil all year round in the transmission.

TIRE PRESSURE

For shipping purposes the tires are inflated to approximately 38 lbs. When tractor is assembled and ready for use deflate tires to 8 to 10 lbs. of pressure.

NOTE: Order Engine Parts From Engine Manufacturer. The Authorized Simplicity dealer from whom you purchased your tractor and attachments can supply you with any replacement parts you may need. For prompt service, be sure to see your dealer first. He will furnish the correct parts from his stock or order them for you if necessary. However, you may mail-order directly from the factory.

To have your order filled correctly and for prompt service, please furnish the following information:

1. Model, number and year of purchase of tractor.
2. Part number, description, color and quantity of part. (See parts list).

Be sure to include postage with your order. We do not pay transportation charges. Shipping weights are shown. Any excess will be promptly refunded.



How to Order Repair Parts for Simplicity Tractors

The Authorized Simplicity dealer from whom you purchased your Tractor can supply you with any replacement parts you may need. For prompt service, be sure to see your dealer first. He will furnish the correct parts from his stock or order them for you if necessary. However, you may mail-order direct from the factory.

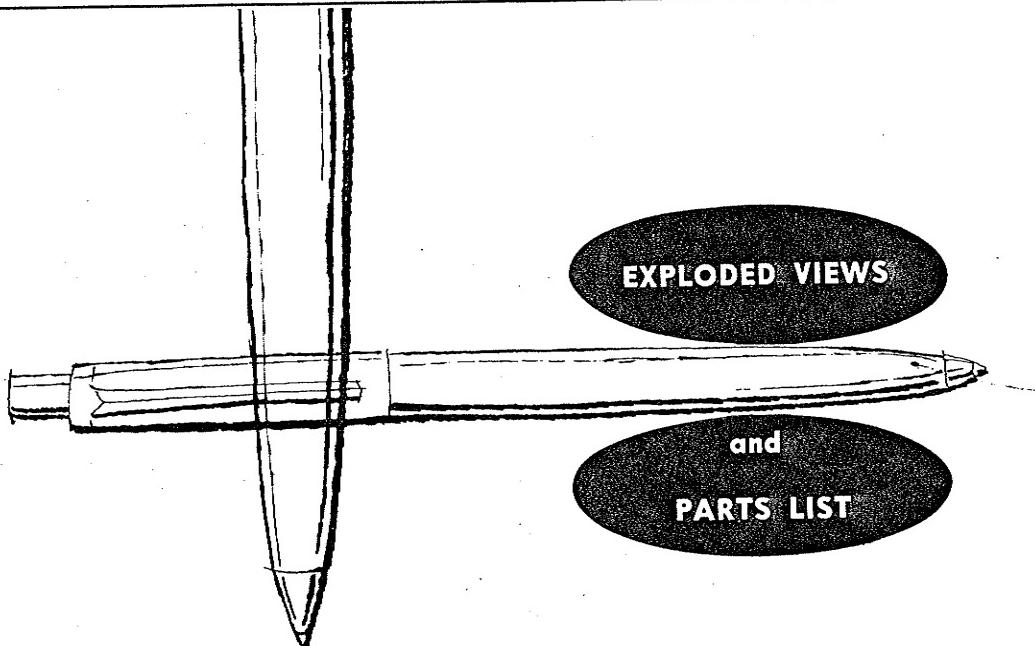
To have your order filled correctly and for prompt

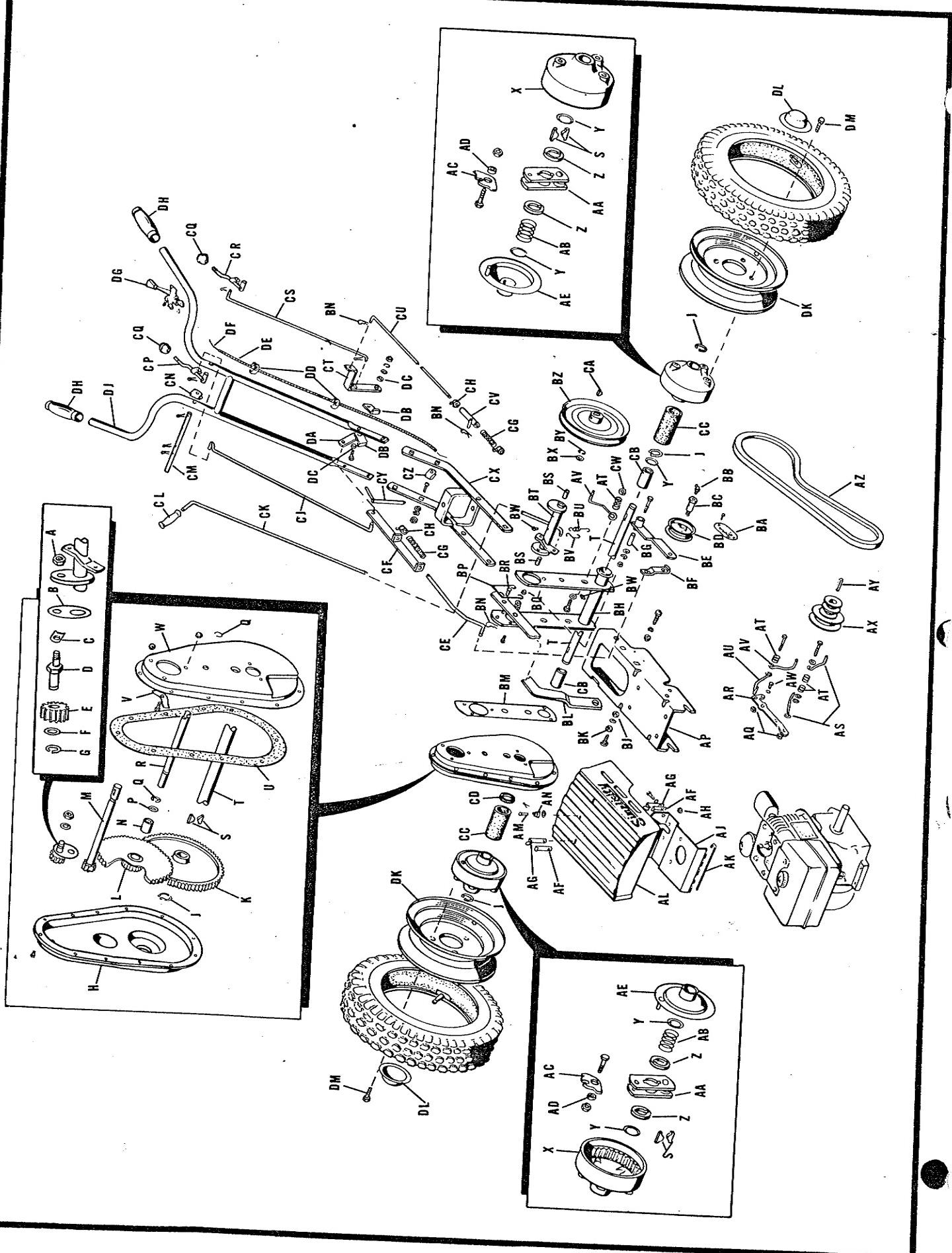
service, please furnish the following information:

1. Model, number and year of purchase of Tractor.
2. Part number, description, color, and quantity of part. (See parts list).

Be sure to include postage with your order. We do not pay transportation charges. Shipping weights are shown. Any excess will be promptly refunded.

We reserve the right to change construction, specifications, prices and terms without notice and without obligation as to Tractors heretofore shipped.





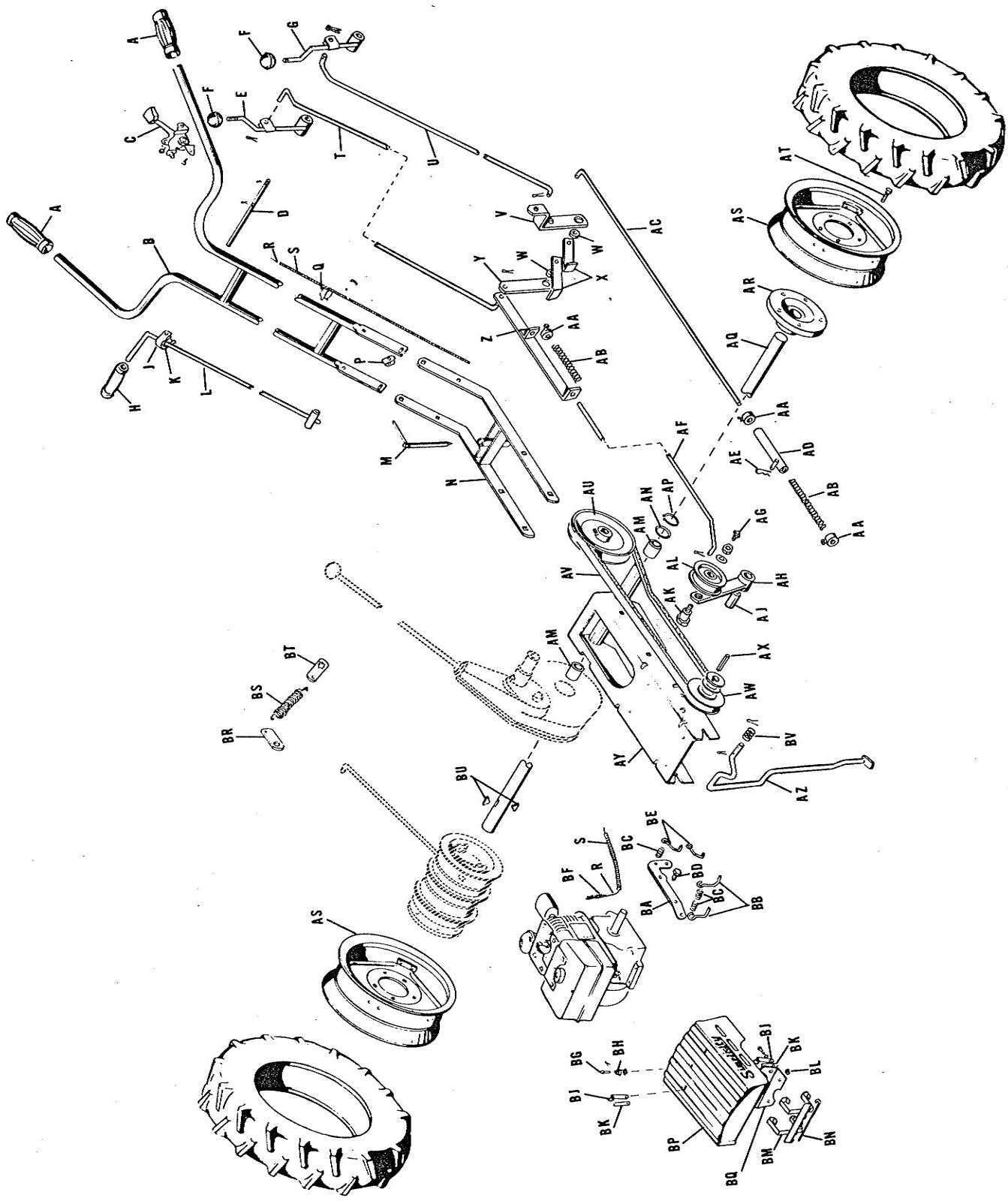
PARTS LIST FOR MODEL "A" TRACTOR

Order by Part Number

Ref. Letter	Part No.	Description	Weight	
			Lbs.	Oz.
A	153090	Nut, Hex, Full—L.H.	2	
B	153094	Shield	6	
C	121107	Spacer	2	
D	153076	Stud, Reverse Pinion	6	
E	121117	Pinion Assy., Reverse with Bearing	2	4
F	153072	Washer, Reverse Pinion	4	
G	153125	Ring, Retainer	4	
H	153106	Cover, Gear Case	3	
J	R-A63	Ring, Retainer - 8151063	2	
K	153056	Gear, Drive	5	
L	121119	Gear Assy., Intermediate (Available only as two gears, assembled)	7	8
M	121115	Pinion and Pulley Shaft Assy.	3	
N	153078	Bearing, Intermediate Pinion	6	
P	153079	Washer	2	
Q	153124	Ring, Retainer	3	
R	153080	Shaft, Intermediate	1	
S	725501	Key, Hi-Pro, HP-608	4	
T	153135	Axle	9	
U	153115	Gasket, Gear Case	10	
V	153095	Spring, Drag	6	
W	153105	Case, Gear	3	
X	153136	Hub, Wheel	6	
Y	153088	Washer	4	
Z	153077	Washer, Axle	4	
AA	153051	Cage Assy., Ratchet	2	
AB	153093	Spring, Axle	6	
AC	153002	Ratchet	8	
AD	153081	Spacer	6	
AE	153065	Cover Assy., Ratchet Cage	4	
AF	151048	Latch, Stub	10	
AG	153008	Latch	6	
AH	717513	Nut, Hex, Full, Lock, 1/4-20 N.C.	*	
AJ	153007	Bracket Assy., Hood	4	
AK	153005	Pin, Hinge	5	
AL	153018	Hood Assy.	7	8
AM	153006	Pin, Hood	3	
AN	153010	Spring, Hood	4	
AP	153118	Base	8	10
AQ	717011	Nut, Hex, Jam, 5/16-18 N.C.	*	
AR	153025	Holder, Belt Stop	8	
AS	GS-A35	Stop, Belt - 8081035	3	
AT	S2-A47	Spring 8191047	2	
AU	D-A14	Stop, Belt 8021014	3	
AV	D-A73A	Stop, Belt 8021073	8	
AW	153026	Screw, Holder	8	
AX	151012	Pulley, Engine	7	8
AY	S3-A42	Key, Engine Pulley - 8221042	2	
AZ	153128	Belt, "V", 46" long	2	
BA	153140	Plate, Serial No.	6	
BB	727004	Fitting, Grease, Alemite #1911	1	
BC	F-A37	Pin, Idler Pulley - 8051037	10	
BD	F-AX5	Pulley Assy., Idler 8051505	12	
BE	153069	Lever Assy., Idler	2	

Ref. Letter	Part No.	Description	Weight	
			Lbs.	Oz.
BF	R-A28	Extension, Idler Lever 8151028	6	
BG	G-A58	Spacer, Idler Lever 8061058	6	
BH	153108	Housing Assy., Axle	9	10
BJ	717510	Nut, Hex, Full, Lock, 3/8-16 N.C.	*	
BK	153073	Spacer, Lock Bar	6	
BL	153132	Bar, Lock	2	
BM	153114	Gasket, Bearing Housing	8	
BN	S1-A45A	Clip, Spring - 8161045	2	
BP	153009	Handle	8	
BQ	717011	Nut, Hex, Jam, 5/16-18 N.C.	*	
BR	153058	Pin, Lock	4	
BS	F-A38	Bearing - 8051038	5	
BT	153044	Housing Assy., Bearing	3	10
BU	153121	Spring, Reverse Lever	8	
BV	153011	Extension, Spring	6	
BW	727002	Fitting, Grease, Alemite #1641	1	
BX	153079	Washer	2	
BY	153124	Ring, Retainer	3	
BZ	153096	Pulley, Transmission	6	8
CA	725003	Key, Woodruff, #9	2	
CB	153089	Bearing, Axle	8	
CC	153134	Tube, Rubber	1	
CD	G-A55	Washer, Retainer - 8061055	3	
CE	R-A69	Rod, Clutch, Lower 8051069	12	
CF	GS-AX3	Guide Assy., Clutch Rod - 8081503	14	
CG	S2-A45	Spring - 8191045	3	
CH	S2-A22A	Collar, Set 8191022	3	
CJ	153137	Rod, Clutch, Upper	1	6
CK	153083	Rod, Reverse	1	4
CL	153017	Grip, Reverse Rod	6	
CM	153085	Shaft, Lever	6	
CN	153074	Guide, Reverse Rod	6	
CP	D-AX7	Lever Assy., R.H. - 8021507	1	12
CQ	D-A50	Ball, Clutch Lever - 8021050	8	
CR	F-AX6	Lever Assy., L.H. - 8051506	1	12
CS	153082	Rod, Upper Idler	1	2
CT	D-A91	Lever, Lower Clutch - 8021091	1	
CU	151015	Rod, Lower Clutch	1	
CV	S1-AX18	Socket Assy., Rod - 8161518	6	
CW	717510	Nut, Lock, Full, Hex, 3/8-16	*	
CX	153014	Frame Assy.	10	
CY	G-AX2	Pin Assy., Hitch - 8061502	1	3
CZ	GA-117	Clamp, Cable - 8061117	6	
DA	F-A30	Lever, Pivot - 8051030	6	
DB	D-A121	Stop, Lever - 8021121	4	
DC	S1-A215	Bushing - 8161215	4	
DD	G-A108	Clip, Cable 8061108	4	
DE	153086	Cable, Throttle	1	
DF	153087	Wire, Throttle	7	
DG	G-A87	Control, Throttle - 8061087	8	
DH	153043	Grip, Handle	8	
DJ	153040	Handle Assy.	12	
DK	121109	Wheel, Less Tire and Tube	5	
DL	121137	Cap, Hub	8	
DM	SS-A100	Bolt, Hub - 8261100	3	

* Purchase Locally

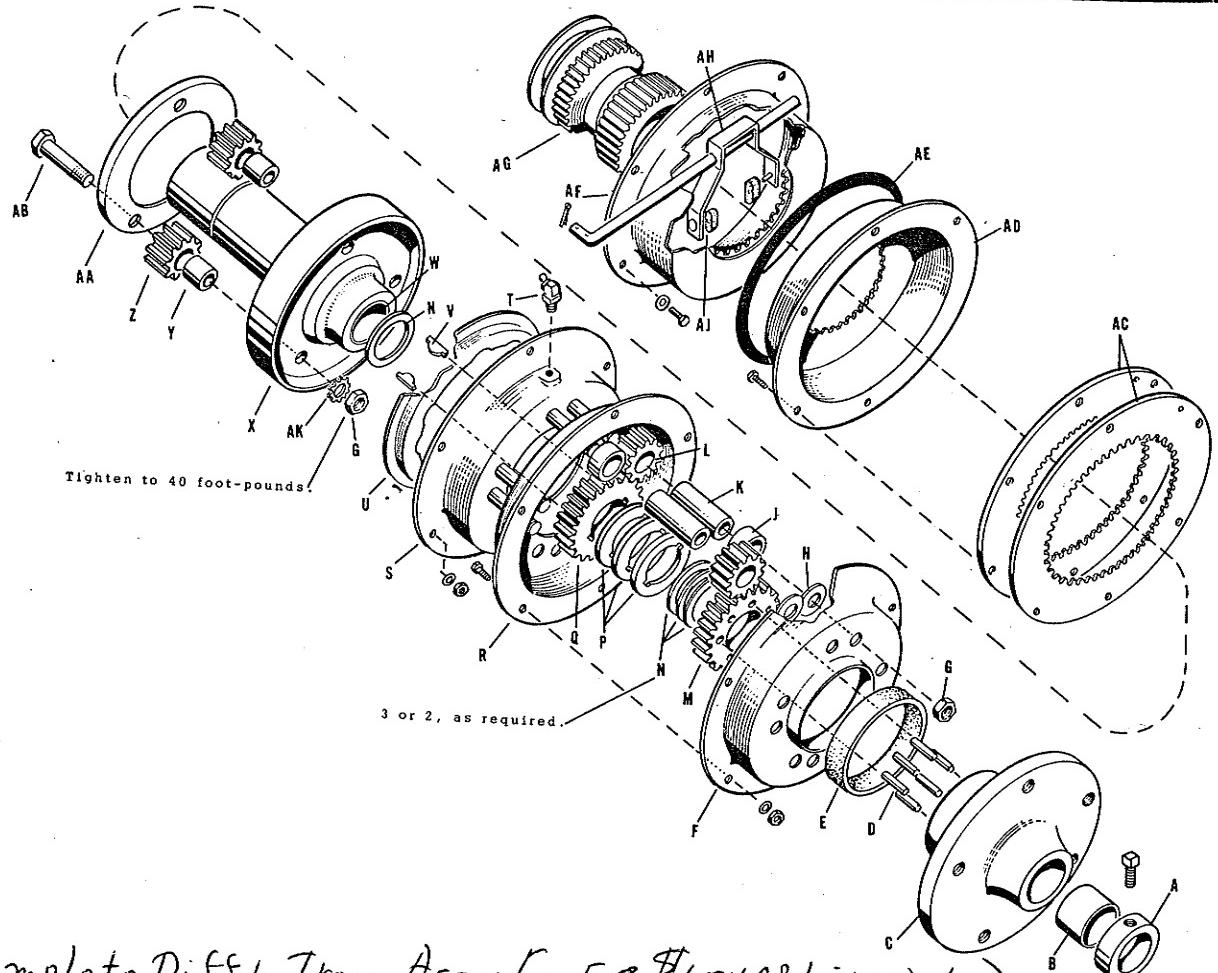


PARTS LIST FOR MODEL "FC" TRACTOR

Order by Part Number

Ref. Letter	Part No.	Description	Weight		Ref. Letter	Part No.	Description	Weight	
			Lbs.	Oz.				Lbs.	Oz.
A	153043	Grip, Handle	AM	153089	Bearing, Axle			8	
B	D-EXITA	Handle Assy. 8/16-3/8-7 use 801433502 (L-S)	AN	153088	Washer			4	
C	G-A87	Control, Throttle Lever 8/16-1/2-7	AP	121128	Ring, Retaining			2	
D	151037	Shaft, Lever	AQ	151041	Axle			10	
E	D-AX7	Lever Assy., R.H. Clutch - 8/16-2-1/2-7	AR	151024	Hub, Wheel, L.H.			6	
F	D-A50	Ball, Clutch Lever - 8/16-2-1/2-7	AS	SS-B23C	Wheel Specify Color - 8/16-2-1/2-3 13			8	
G	F-AX6	Lever Assy., L.H. Clutch - 8/16-2-1/2-7	AT	SS-A100	Bolt, Hub - 8/16-2-1/2-7 C			3	
H	153017	Grip / Guide, Rod	AU	151043	Pulley, Transmission			3	
J	153074	Liner	AV	106016	"V" Belt, 46" long			1	
K	121175	Rod Assy., Shift	AW	151038	Pulley, Engine			1	
L	151035	Pin Assy., Hitch - 8/16-5/6-2	AX	S3-A42	Key, Engine Pulley - 8/16-10-4-2			2	
M	G-AX2	Frame, Assy. - 8/16-3-3-5-9	AY	151028	Base Assy.			19	
N	D-CX9A	Clamp, Cable - 9/16-11-7	AZ	152011	Stand Assy.			2	
P	G-A117	Clip, Cable - 8/16-11-9	BA	153025	Holder, Belt Stop			6	
Q	G-A108	Wire, Throttle	BB	GS-A35	Stop, Belt - 8/16-10-3-5			12	
R	152016	Cable, Throttle	BC	S2-A47	Spring - 8/16-10-4-5			3	
S	151016	Rod, Upper Idler - 8/16-5-1/4	BD	705026	Screw, Hex. Hd. Cap, 5/16"-18 x 1/2"			2	
T	F-A14	Rod, Upper Clutch - 8/16-2-1/2	BE	D-A14	Stop, Belt - 8/16-10-3-5			*	
U	D-A122	Rod, Lower Clutch - 8/16-2-1/2	BF	121122	Spring, Throttle Wire			3	
V	D-A91	Bushing - 8/16-2-1/2	BD	70513	Nut, Hex. Full Lock, $\frac{1}{4}$ "-20			2	
W	SL-A215	Stop, Lever - 8/16-1-1/2-1	BE	121183	Support Assy., Hood Pivot			3	
X	D-A121	Lever, Pivot - 8/16-1-1/2-1	BH	153010	Pin, Hinge			4	
Y	F-A30	Guide Assy., Idler Clutch Rod - 8/16-5/2-14	BI	153008	Latch			6	
Z	GS-AX3	Collar, Set - 8/16-1-1/2-1	BK	151048	Latch, Stub			4	
AA	S2-A22A	Spring, Idler Rod - 8/16-1-1/2-1	BL	717513	Nut, Hex. Full Lock, $\frac{1}{4}$ "-20			*	
AB	S2-A45	Rod, Lower, Clutch	BM	153149	Holder, Spring, Upper - 8/16-10-3-6			3	
AC	151015	Socket Assy., Rod	BN	153005	Pin, Hinge			5	
AD	SI-AX18	Clip, Spring - 8/16-10-4-5	BP	151046	Hood Assy.			7	
AE	SI-A45A	Rod, Lower Idler - 8/16-5-1/4	BQ	151038	Bracket, Hood			8	
AF	F-A69	Fitting, Grease, Alemite #1911	BR	R-A36	Holder, Spring, Upper - 8/16-10-3-6			10	
AG	727004	Lever Assy., Idler	BS	P-A47	Spring - 8/16-10-4-7			4	
AH	151031	Spacer, Idler Lever	BT	R-A35	Holder, Spring, Lower 8/16-10-3-5			3	
AJ	G-A58	Fin, Idler Pulley - 8/16-10-5-8	BV	725501	Key, Hi-Pro, #HP608			4	
AK	R-A59	Pulley Assy., Idler	BV	152006	Spring, Stand			6	
AL	F-AX5		12						

* Purchase Locally



Complete Diff + Trans Ass'y For FC \$154.00 List off B/64

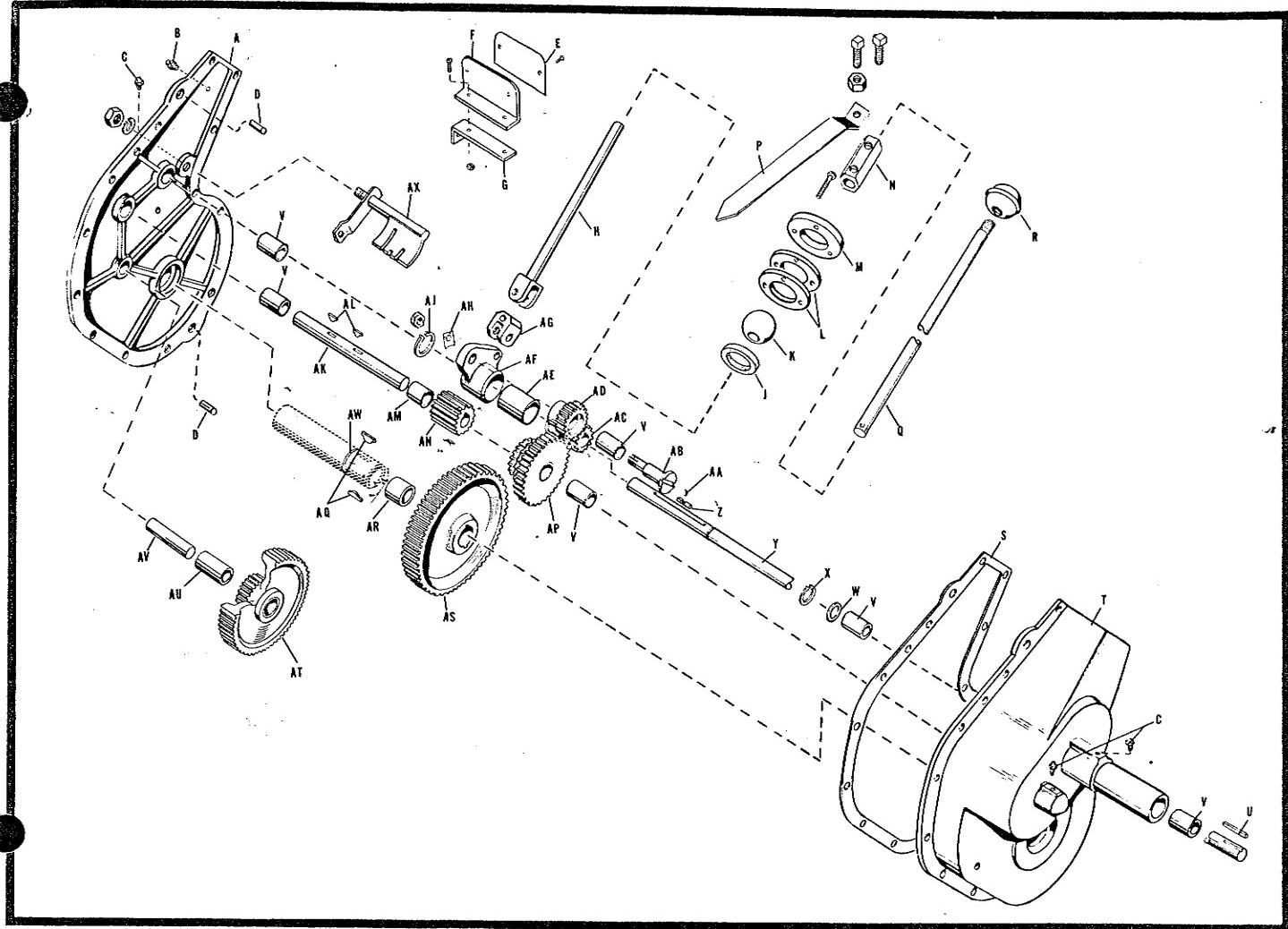
PARTS LIST FOR MODEL "FC" TRACTOR DIFFERENTIAL

- Order by Part Number

Ref. Letter	Part No.	Description	Weight	
			Lbs.	Oz.
A	G-A46	Collar, Set <i>8061046</i>		12
B	153068	Bearing		4
C	151023	Hub, Wheel, R.H.		8
D	723003	Pin, Roll	6	4
E	121190	Seal, Differential Cover		4
F	151022	Cover, Differential		4
G	718015	Nut, Lock, Full Hex, $\frac{3}{8}$ -24	2	3
H	719002	Washer, Plain, $5/16$ "		*
J	121084	Spacer, Differential		8
K	121083	Spindle, Pinion, Differential	1	
L	121082	Pinion, Differential	2	
M	151044	Gear, Differential	1	8
N	153088	Washer		4
P	153077	Washer, Axle		4
Q	121086	Gear, Differential	1	8
R	121149	Cover, Differential	2	
S	151021	Carrier Assy.	3	8

Ref. Letter	Part No.	Description	Weight	
			Lbs.	Oz.
T	727006	Fitting, Grease, Alemite #1637		2
U	121185	Plate, Thrust		8
V	725501	Key, Hi-Pro, #HP608 15/040		4
W	153068	Bearing		4
X	151025	Spider Assy.	5	6
Y	121163	Spacer, Pinion		8
Z	121118	Pinion	2	
AA	121162	Ring, Bolt —		6
AB	121184	Bolt, Hex hd.		3
AC	121151	Gear, Ring	1	
AD	121148	Cover Assy.	3	4
AE	121186	Seal, Housing Assy.		6
AF	121146	Housing Assy.	2	
AG	121187	Gear Assy., Sun	3	
AH	151033	Clevis Assy.	2	
AJ	121169	Block, Shift		4
AK	721004	Lockwasher, External Shakeproof		*

*** Purchase Locally**

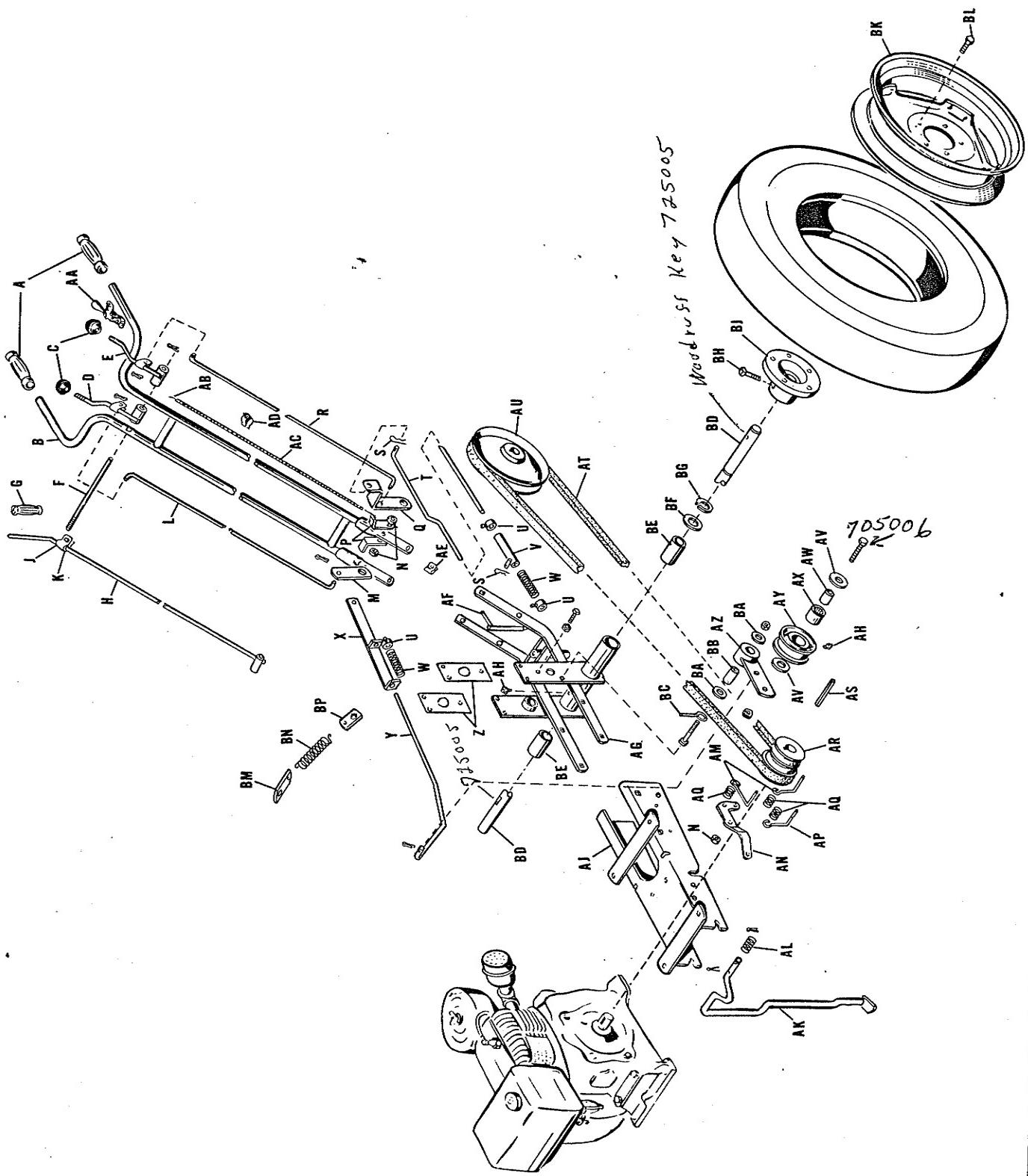


PARTS LIST FOR MODEL "FC" TRACTOR TRANSMISSION

Order by Part Number

Ref. Letter	Part No.	Description	Weight	
			Lbs.	Oz.
A	151020	Cover, Gear Case	13	8
B	727002	Grease Fitting, Alemite #1641		1
C	727005	Grease Fitting, Alemite #1909		2
D	F-A53	Pin, Dowel - 8051053		3
E	151042	Plate, Serial and Shift Instruction		6
F	151006	Bracket, Shift Instruction Plate	10	
G	F-A29	Holder, Shift Instruction Plate - 8051029		
H	F-AX4	Bracket		6
I	F-A60	Clevis Assy., Pitman - 8051004		6
J	F-A44	Washer, Shift Ball - 8051060		4
K	F-A47	Ball, Gear Shift - 8051044	10	
L	F-A59	Spacer, Shift Ball - 8051059		7
M	F-A41	Retainer, Shift Ball - 8051057		10
N	G-A30	Coupling, Gear Shift Handle - 8061030		10
P	F-A28	Pointer, Shifter - 8051028		6
Q	F-A13	Extension, Gear Shift Handle - 8051013		
R	G-A65	Ball, Shift Lever - 8061065		8
S	F-C1	Gasket, Gear Case - 80530011		
T	151019	Case, Gear	22	8
U	F-A61	Key, Transmission Pulley - 8051061		6
V	F-A38	Bearing - 8051039		5
W	F-A56	Washer, Spacer - 8051056		2
X	F-A39	Ring, Retaining - 8051039		4
Y	F-B3A	Shaft, Transmission Pulley - 8053003		7

Ref. Letter	Part No.	Description	Weight	
			Lbs.	Oz.
Z	F-A34	Key, Transmission Slide - 8051034		3
AA	F-A35	Plate, Slide Key Lock - 8051035		6
AB	G-A5	Pin, Rocker Arm Pinion - 8061005		10
AC	F-A5	Gear, Transmission Slide - 8051005		12
AD	F-A4	Pinion, Rocker Arm with Bearing - 8051004		4
AE	F-A33	Bearing, Rocker Arm - 8051033		8
AF	F-AX2	Arm, Rocker Assy. - 8051022		6
AG	G-A26	Pitman, Gear Shift - 8061026		6
AH	G-A119	Plate, Lock - 8061119		3
AJ	F-A40	Ring, Retaining - 8051040		4
AK	F-A10	Shaft, Transmission Pinion - 8051010		
AL	725002	Key, Woodruff, 5/32" x 5/8"		3
AM	F-A18	Spacer, Transmission Pinion Shaft - 8051018		
AN	F-A8	Gear, "High" - 8051008		12
AP	F-AX1	Gear Assy., Cluster - 80515016		12
AQ	151040	Key, Drive Gear		5
AR	153068	Bearing		4
AS	151027	Gear, Drive		8
AT	D-AX3	Gear Assy., Cluster - 80215032		10
AU	D-A32	Bushing, Intermediate, - 8021032		
AV	F-A12	5/8" x 3/4" x 1-7/16"		6
AW	121167	Spindle, Intermediate - 8051012		10
AX	151002	Ring, Snap		8
		Guide Assembly, Shift		1
				4

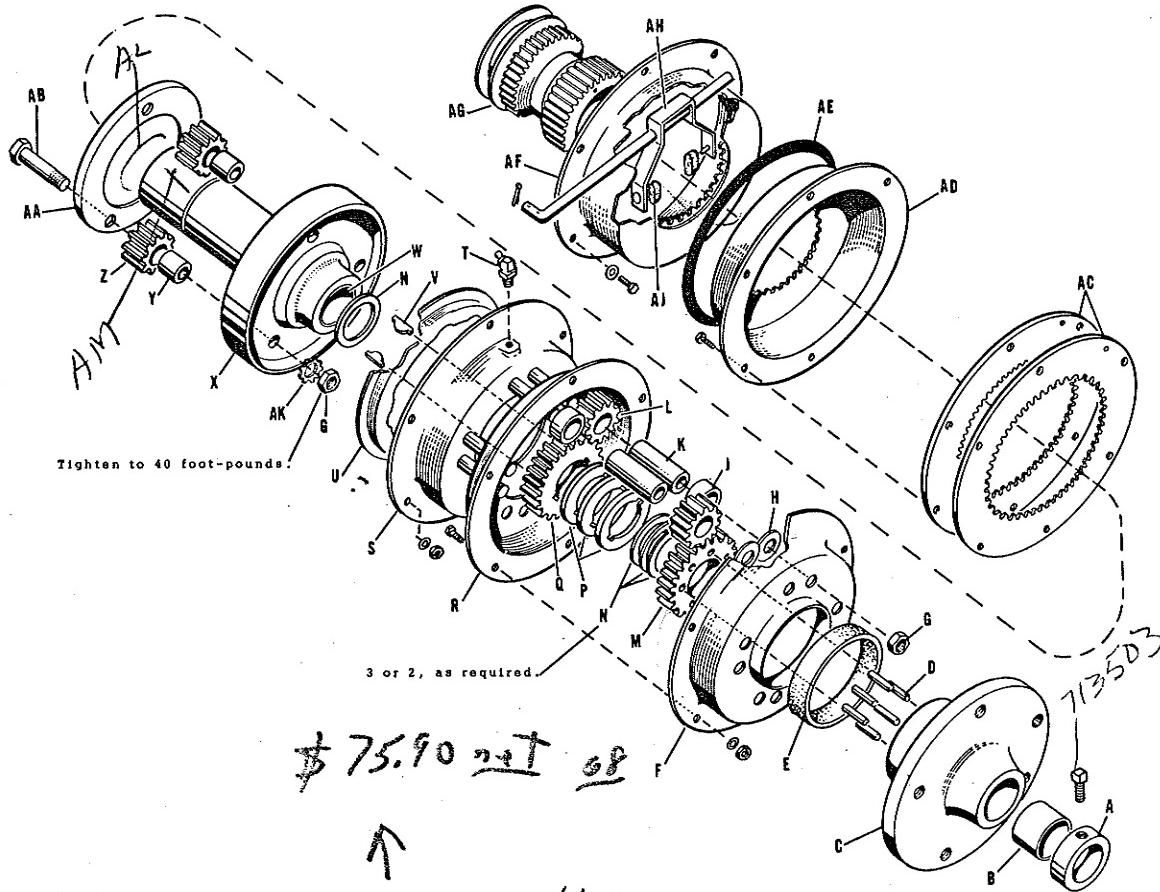


PARTS LIST FOR MODEL "VB" TRACTOR

Order by Part Number

Ref. Letter	Part No.	Description	Weight		Ref. Letter	Part No.	Description	Weight	
			Lbs.	Oz.				Lbs.	Oz.
A	153043	Grip, Handle	8		AH	727002	Fitting, Grease, Alemite #1641	1	
B	D-0511A	Handle Assy. 8061087 use 8063502	8		AJ	152005	Base Assy.		
C	D-A50	Ball, Clutch Lever - 802165C	8		AK	152011	Stand Assy.	2	6
D	D-AX7	Lever Assy., Clutch, R.H. - 8021567	12		AL	152006	Spring, Stand	6	
E	F-AX6	Lever Assy., Clutch, L.H. - 8021576	12		AM	G-A89	Stop, Belt - 8061089	2	
F	151037	Shaft, Lever	8		AN	G-A88	Holder, Belt Stop - 8061089	10	
G	153017	Grip	6		AP	D-AT3A	Stop, Belt - 8021073	8	
H	151035	Rod Assy., Shift	2		AQ	S2-A47	Spring - 8061073	2	
J	153074	Guide, Rod	6		AR	G-A59	Pulley, Engine - 8061059	14	
K	121175	Liner (Nylon)	4		AS	G-A100	Key, Engine Pulley - 8061060	4	
L	F-A14	Rod, Upper Idler - 8051014	1		AT	152017	Belt, Drive, 45" Super Combine	2	
M	F-A30	Lever, Pivot - 8051030	6		AU	G-A63	Pulley, Transmission - 8061058	4	
N	S1-A215	Bushing - 8061015	4		AV	S2-A37	Washer, Thrust - 8061037	2	
P	D-A121	Stop, Lever - 8021421	4		AW	S2-A20	Race, Inner Bearing - 8061020	3	
Q	D-A91	Lever, Lower Clutch - 8021091	1		AX	S2-A48	Bearing, Idler Pulley - 8061048	3	
R	D-A122	Rod, Clutch - 8021122	1		AY	SS-A3A	Pulley, Idler - 8061048	1	
S	S1-A45A	Clip, Spring - 8061045	2		AZ	G-AX3	Lever, Idler Assy. - 806103	6	
T	G-A90	Rod, Lower Clutch - 8061090	1		BA	719001	Washer, Plain $\frac{3}{8}$ " - 806103	1	*
U	S2-A22A	Collar, Set - 8091022	3		BB	G-A38	Spacer, Idler Lever - 8061058	6	
V	S1-AX18	Socket Assy., Rod - 80610510	6		BC	152028	Pin, Lock		
W	S2-A45	Spring, Idler Rod - 8061045	3		BD	151041	Axle		
X	GS-AX3	Guide Assy., Idler Clutch Rod - 8061034	3		BE	152009	Bearing, Axle G-A40	10	8
Y	R-A69	Rod, Clutch, Lower Idler - 8061069	12		BF	153088	Washer		8
Z	G-A97	Gasket, Transmission Case - 8061097	20		BG	121128	Ring, Retaining		4
AA	G-A87	Support	3		BH	715002	Screw, Square Hd., Set, $\frac{9}{16} \times 1\frac{1}{4}$ "		
AB	152016	Control, Throttle Lever - 8061087	8		BJ	151024	$\frac{9}{16} \times 1\frac{1}{4}$ "	*	
AC	D-A95	Wire, Throttle	8		BK	SS-B23C	Hub, Wheel, L.H.	6	8
AD	G-A108	Cable, Throttle - 8031095	1		BL	SS-A100	Wheel, Drive (Specify Color) - 8061025	3	
AE	G-A117	Clip, Cable - 8061047	4		BM	R-A36	Bolt, Hub - 8061040	3	
AF	G-AX2	Clamp, Cable - 8061117	6		BN	P-A47	Holder, Spring, Upper - 8051036	4	
AG	152024	Pin Assy., Hitch - 8061052	1		BP	R-A35	Spring - 8061047	3	
		Frame Assy.	20				Holder, Spring, Lower - 8051035	4	

* Purchase Locally



Diff. + 2 Speed Axle = 152074 - Hub Kit = 152062

PARTS LIST FOR MODEL "VB" TRACTOR DIFFERENTIAL

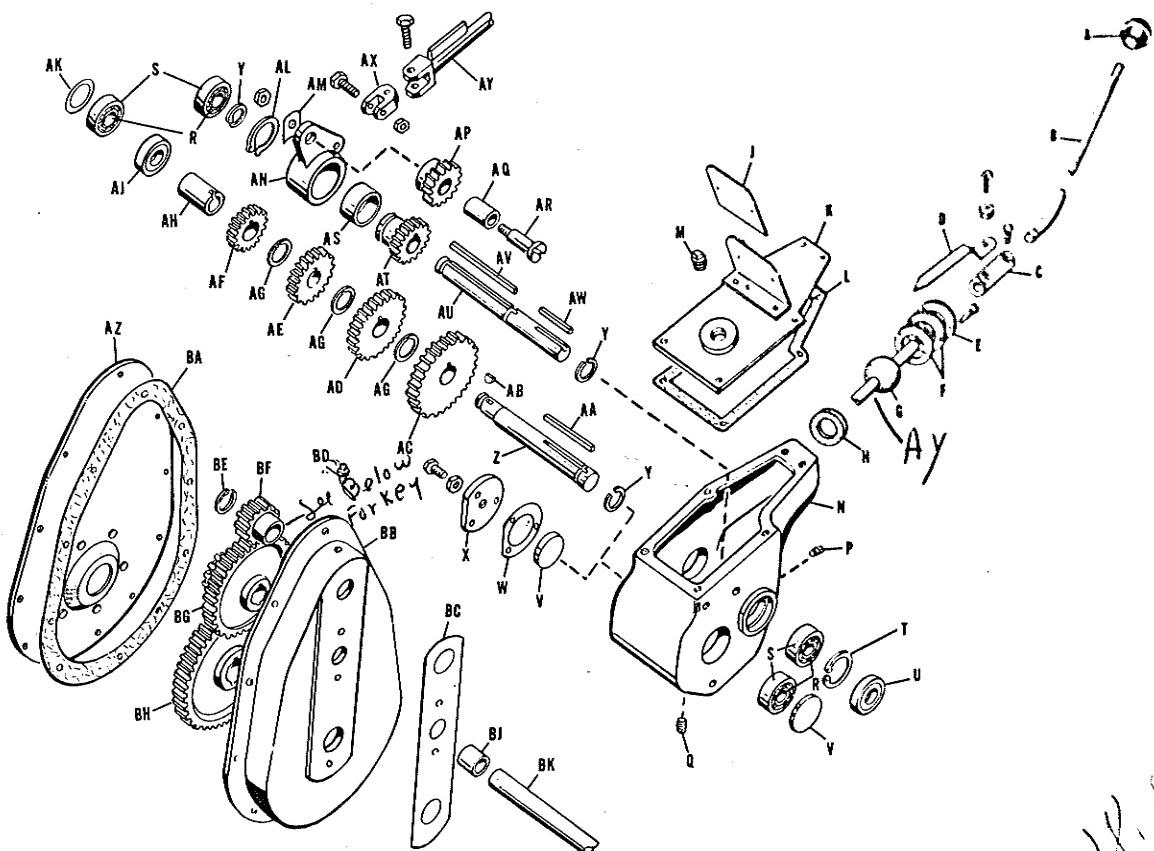
Order by Part Number

Ref. Letter	Part No.	Description	Weight	
			Lbs.	Oz.
A	G-A46	Collar, Set 8061046		12
B	153068	Bearing		4
C	151023	Hub, Wheel, R.H.	6	8
D	723003	Pin, Roll		4
E	121190	Seal, Differential Cover		4
F	151022	Cover, Differential	2	
G	718015	Nut, Lock, Full Hex, 3/8-24		3
H	719002	Washer, Plain, 5/16"		*
J	121084	Spacer, Differential		8
K	121083	Spindle, Pinion, Differential	1	
L	121082	Pinion, Differential	2	
M	151044	Gear, Differential	1	8
N	153088	Washer		4
P	153077	Washer, Axle		4
Q	121086	Gear, Differential	1	8
R	121149	Cover, Differential	2	
S	151021	Carrier Assy.	3	8

Ref. Letter	Part No.	Description	Weight	
			Lbs.	Oz.
T	727006	Fitting, Grease, Alemite #1637		2
U	121185	Plate, Thrust		8
V	725501	Key, Hi-Pro #HP608		4
W	153068	Bearing		4
X	151025	Spider Assy. 152022	5	6
Y	121163	Spacer, Pinion		8
Z	121118	Pinion		2
AA	121162	Ring, Bolt		6
AB	121184	Bolt, Hex. hd.		3
AC	121151	Gear, Ring	1	
AD	121148	Cover Assy.	3	4
AE	121186	Seal, Housing Assy.		6
AF	121146	Housing Assy.	2	
AG	121187	Gear Assy., Sun	3	
AH	151033	Clévis Assy.	2	
AJ	121169	Block, Shift		4
AK	721004	Lockwasher, External Shakeproof		*

* Purchase Locally

AL 121167 Ring
AM 151040 Key

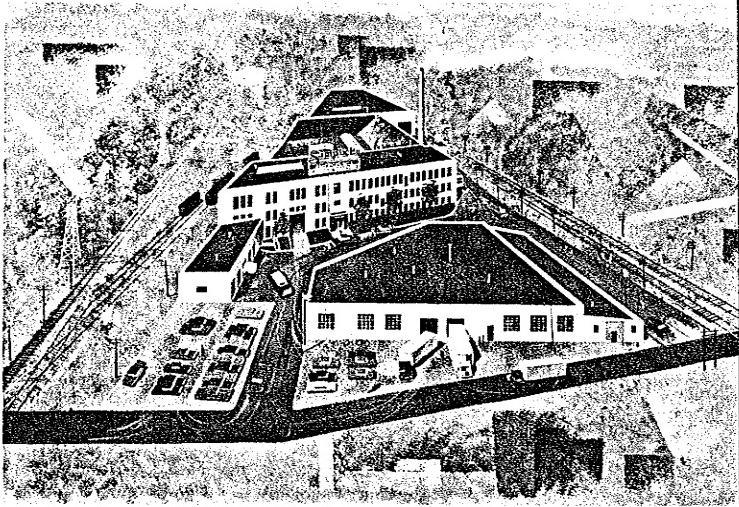


PARTS LIST FOR MODEL "VB" TRACTOR TRANSMISSION

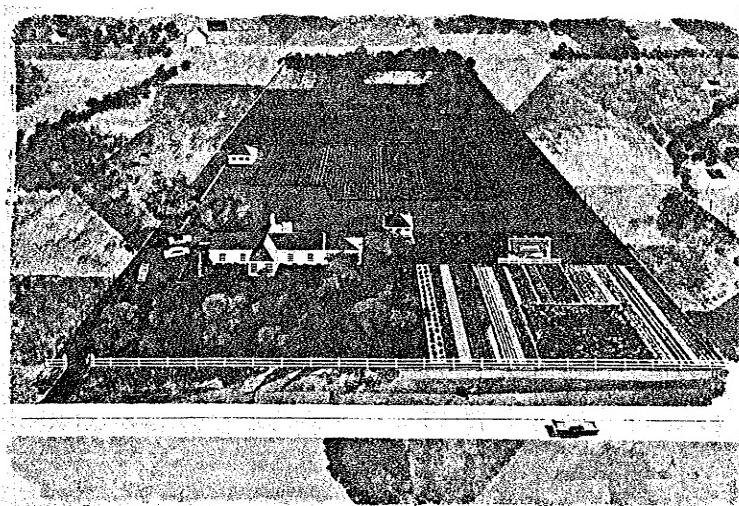
Order by Part Number

Ref. Letter	Part No.	Description	Weight		Ref. Letter	Part No.	Description	Weight	
			Lbs.	Oz.				Lbs.	Oz.
A	G-A65	Ball, Shift Lever 8061065	8		AG	G-A12	Spacer, Transmission Gear 8061012	4	
B	G-A29	Extension, Gear Shift Handle 8061029	10		AH	G-A11A	Spacer, Trans. Pinion Shaft 8061011	6	
C	G-A30	Coupling, Gear Shift Handle 8061030	10		AJ	G-A11B	Seal, Oil - 8061118	5	
D	G-A75	Pointer, Shifter - 8061075	4		AK	152018	Shim, Transmission Bearing Cup	4	
E	F-A47	Retainer, Gear Shift Ball - 8051047	10		AK	G-A14	Shim, Transmission Bearing Cup - 8061014		
F	F-A59	Spacer, Shift Ball - 8051059	7		AL	G-A106	—Either/Or—1 or 2 as required	4	
G	F-A44	Ball, Gear Shift - 8051044	10		AM	G-A119	Ring, Retaining - 8061106	3	
H	F-A60	Washer, Shift Ball - 8051060	4		AN	G-A1	Plate, Lock - 8061119	4	
J	152030	Plate, Serial and Shift Instruction	6		AP	G-A3	Arm, Trans. Rocker w/bearing - 8061001	2	
K	152015	Cover Assy., Trans. Gear Case	2	10	AQ	F-A38	Pinion, Rocker Arm w/bearing 8064003	6	
L	G-B8	Gasket, Trans. Gear Case Cover - 8062008			AR	G-A5	Bearing - 8051038	5	
M	G-A45	Plug, Filler - 8061045	10		AS	G-A2	Pin, Rocker Arm Pinion - 8061005	6	
N	G-C1	Case, Transmission Gear - 8063001			AT	G-A16A	Bearing, Rocker Arm - 8061002	4	
P	726001	Plug, Pipe, $\frac{1}{8}$ Std. Sq. Hd.	6		AU	G-A15	Gear, Transmission Slide 8061016	15	
Q	726002	Plug, Pipe, $\frac{1}{4}$ Std. Sq. Hd.	8		AV	G-A82	Shaft, Transmission Pulley - 8061015	6	
R	G-A94	Cone, Roller Bearing - 8061044	6		AW	G-A81	Key, Transmission Pulley Shaft - 8061082	4	
S	G-A95	Cup, Roller Bearing - 8061045	3		AX	G-A26	Key, Transmission Pulley 8061081	3	
T	G-A52	Ring, Retaining - 8061052	3		AY	G-AX1	Pitman, Gear Shift - 8061026	6	
U	G-A53	Seal, Oil 8061083	6		AZ	152019	Clevis Assy., Pitman - 8061501		
V	G-A13	Plate, Trans. Bearing Take-Up 8061013	6		BA	G-C4	Cover Assy., Gear Case	5	
W	G-A18	Gasket, Adjusting Plate - 8061018	4		BB	G-C2	Gasket, Gear Case Cover - 8063004	6	
X	G-A17	Plate, Trans. Bearing Adj. - 8061017	10		BC	G-B9	Case, Gear - 8063002	11	
Y	G-A49A	Ring, Retaining - 8061049	4		BD	727002	Fitting, Grease, Alemite #1641	4	
Z	G-A6	Shaft, Transmission Pinion - 8061006	4		BE	G-A48A	Ring, Retaining - 8061049	1	
AA	G-A83A	Key, Transmission Pinion Shaft - 8061083	4		BF	G-A20	Pinion, Reduction Key 15/16 x 1/2 - 8061020	4	
AB	725002	Key, Woodruff 5/32 x $\frac{1}{8}$	1		BG	G-BX3	Gear Assy., Cluster 8062503	9	14
AC	G-A10	Gear, "Reverse" - 8061010	2	8	BH	152021	Gear, Drive	8	8
AD	G-A9	Gear, "Low" - 8061009	1	15	BJ	G-A22	Bearing, Intermediate Pinion - 80610226		
AE	G-A8	Gear, "Medium" - 8061008	1	8	BK	152027	Shaft, Intermediate	2	6
AF	G-A7	Gear, "High" - 8061017	14						

INDUSTRY'S FINEST MANUFACTURING FACILITIES



INDUSTRY'S LARGEST PROVING GROUNDS



SIMPPLICITY MANUFACTURING COMPANY
Port Washington, Wisconsin

2 good reasons why

Simplicity PRODUCTS

LEAD THEIR INDUSTRY

Simplicity's modern industrial plant was designed and erected solely for the production of lawn and garden power equipment. Here, the finest and most advanced facilities . . . experience gained from 36 pioneering years in this industry . . . and a skilled team of engineers and craftsmen join together to create superior power equipment. The result is leadership . . . and better gardening equipment for America.

This is Simplicity's 40-acre experimental farm and proving grounds, largest in the industry — where all Simplicity products are given punishment no buyer could ever inflict. Here is where the mechanical "bugs" come out . . . and all products get their final "OK". And all the industry knows that a Simplicity "OK" means dependability — under the most trying conditions.

Guarantee

The Company guarantees Simplicity products to be free from defects in material and workmanship. Any part proven defective within 90 days, under normal use, from date of purchase, will be replaced free of charge, provided such part is returned to factory and if upon examination at the factory found to be defective. The Company is not obligated under this guarantee to bear cost of labor or delivery charges in replacement of defective parts. This guarantee does not apply to any Simplicity product altered outside of Simplicity's factory.

SIMPPLICITY MANUFACTURING COMPANY


H. J. Niederhoffer
PRESIDENT